

Ellis, Charlice

From: Turner, Nardina
Sent: Wednesday, May 16, 2018 11:48 AM
To: Saskowski, Ronald
Subject: FW: R4 LIMS Results: Project 15-0408, C154201 SVOA 10 21 15 1422
Attachments: C154201 SVOA FINAL 10 21 15 1422.PDF; C154201 SVOA FINAL 10 21 15 1422 - 15-0408 - SLOSS INDUSTRIES CORPORATION COKE PLANT 10-21-2015.110000366657.Dat

From: R4LIMS@epa.gov [mailto:R4LIMS@epa.gov]
Sent: Wednesday, October 21, 2015 10:46 PM
To: Jardine, Rick <Jardine.Richard@epa.gov>
Cc: Turner, Nardina <Turner.Nardina@epa.gov>; Lkrebs@otie.com; Seabolt, Nancy <Seabolt.Nancy@epa.gov>; Terhune, Ray <Terhune.Ray@epa.gov>
Subject: R4 LIMS Results: Project 15-0408, C154201 SVOA 10 21 15 1422

On Wednesday, October 21, 2015, results for the following were released by the Region 4 Laboratory:

Analyses:

Semi Volatile Organics (SVOA)

Project Number: 15-0408

Project Name: 35th Avenue Site

City: Birmingham **County:** Jefferson **State:** AL

These results were reported by:

Nancy Seabolt (E-mail: Seabolt.Nancy@epa.gov)

If you have questions concerning the laboratory results, please feel free to contact the laboratory personnel shown above as having reported the data. We also encourage you to provide feedback to the Region 4 laboratory by filling out our online (*EPA internal network only*) [Customer Survey Form](#).

These results are for the following Sample Type(s):

Soil (Surface Soil)

PDF DATA RESULTS REPORT FILE ATTACHMENT:

An Adobe Acrobat PDF file is attached to this message that contains final results for the analyses as indicated in the data report.

DATA EXPORT FILE ATTACHMENT:

If attached, data export files will be tab delimited ASCII text files contained in a file that has been formatted using the ZIP archiving format (.Dat extension). Please consult your local computer support personnel if you have problems extracting these files. If you have questions about the data file formats and the information contained in these files, or if you would like to request export files for previously reported data, use the contact information shown below to contact the appropriate person with your concerns. To generate export files for previously reported data we'll need the name of the

PDF report file that was attached to the original transmittal message.

For questions concerning this message and attachments, or any other LIMS or data reporting issues, please call the SESD PC Hotline at 706-355-8825 or send an email to r4lims@epa.gov.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 4 Science and Ecosystem Support Division
980 College Station Road, Athens, Georgia 30605-2700
D.A.R.T. Id: 15-0408
Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

October 21, 2015

MEMORANDUM

SUBJECT: FINAL Analytical Report
Project: 15-0408, 35th Avenue Site
Superfund Remedial

FROM: Nancy Seabolt
Office of Quality Assurance Chemist

THRU: Ray Terhune, Acting Chief
Office of Quality Assurance

TO: Richard Jardine

Attached are the final results for the analytical groups listed below. These analyses were performed in accordance with the associated contract Statement Of Work (SOW). In general, project data quality objectives have not been used to evaluate these data prior to release by the Office of Quality Assurance. For a listing of specific data qualifiers and explanations, please refer to the Data Qualifier Definitions included in this report.

Analyses Included in this report:

Method Used:

Accreditations:

Semi Volatile Organics (SVOA)

Semivolatile organic compounds

CLP BNA (Soil)



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Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

Report Narrative for Work Order: C154201 Analysis: SVOA

Site Name: 35th Avenue Site, Birmingham, AL
CLP Case No. 45583, ELEMENT Sample Nos. C154201-01 through C154201-14
C154202-01 (PES only)

Organic Analysis: ALS Laboratory Group, Salt Lake City, UT

The ESAT Work Team reviewed data for 14 soil samples analyzed for Semivolatile Extractables per CLP Statement of Work SOM02.2 and Modified Analysis (MA) 2510.0. Per MA 2510.0, the samples were analyzed for Polyaromatic Hydrocarbons (PAHs) only, were not analyzed for Tentatively Identified Compounds (TICs), 1-Methylnaphthalene was included as a target analyte, and the reporting limit for Fluoranthene was lowered. The samples were collected between 9/29/15 and 9/30/15, were received by the laboratory on 10/01/15. The final data package was received on 10/13/15 by the USEPA Office of Quality Assurance, Region 4 SESD. The analytical results were reported in one sample delivery group (SDG) by the laboratory. In addition to the field samples, the laboratory analyzed one performance evaluation sample (PES) for evaluating the laboratory's performance with using the methods.

The laboratory satisfied all technical analysis and extraction holding time requirements. A Stage 4 validation consisting of an electronic/manual review (S4VEM) was performed on the organic samples submitted for this case. The data package presents acceptable technical performance with qualifications.

All results associated with erratic continuing calibration performance were qualified "J" with the appropriate Element qualifier (QC-1). Deuterated Monitoring Compounds (DMCs) were used as surrogates in each sample for GC/MS analysis to monitor extraction efficiency.

Data quality factors requiring qualification of results are discussed below:

Semivolatile Extractables- Soils

1. The laboratory scored within warning limits for the spiked analytes in the soil PES except for Benzo(a)pyrene which was scored warning low and all results for this compound were qualified "J" (CLP25).
2. Internal standard areas were less than the lower quality control (QC) limits for Perylene-d12 in samples C154201-07, 08, 09, 10, 11, 12, 13, and 14. The associated compounds in these samples were qualified "J" (QI-1).



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Data qualification factors are explained by the Region 4 - specific qualifier definitions which are included elsewhere in this report. Further details are provided in the complete data review report, which is on file in the Region 4 SESD Records Center.

cc: Nardina Turner



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SAMPLES INCLUDED IN THIS REPORT

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID	Laboratory ID	MD#	D#	Matrix	Date Collected
CV0726A-CS-0-4	C154201-01	9GT2	9GT2	Surface Soil	9/29/15 13:15
CV0726B-CS-0-4	C154201-02	9GT3	9GT3	Surface Soil	9/29/15 13:25
HP0039A-CS-0-4	C154201-03	9GT4	9GT4	Surface Soil	9/29/15 09:15
HP0039B-CS-0-4	C154201-04	9GT5	9GT5	Surface Soil	9/29/15 09:25
HP0039B-CSD-0-4	C154201-05	9GT6	9GT6	Surface Soil	9/29/15 09:30
HP0146A-CS-0-4	C154201-06	9GT7	9GT7	Surface Soil	9/29/15 15:40
HP0146B-CS-0-4	C154201-07	9GT8	9GT8	Surface Soil	9/29/15 15:50
HP0150A-CS-0-4	C154201-08	9GT9	9GT9	Surface Soil	9/29/15 13:55
HP0190A-CS-0-4	C154201-09	9GW0	9GW0	Surface Soil	9/29/15 10:45
HP0278A-CS-0-4	C154201-10	9GW1	9GW1	Surface Soil	9/30/15 09:35
HP0278A-CSD-0-4	C154201-11	9GW2	9GW2	Surface Soil	9/30/15 09:40
HP0278B-CS-0-4	C154201-12	9GW3	9GW3	Surface Soil	9/30/15 09:45
HP0278C-CS-0-4	C154201-13	9GW4	9GW4	Surface Soil	9/30/15 09:50
HP0278D-CS-0-4	C154201-14	9GW5	9GW5	Surface Soil	9/30/15 10:00



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DATA QUALIFIER DEFINITIONS

U	The analyte was not detected at or above the reporting limit.
CLP01	Concentration reported is less than the lowest standard on calibration curve
CLP25	PE sample recovery scored as warning-low.
J	The identification of the analyte is acceptable; the reported value is an estimate.
OC-1	Analyte concentration low in continuing calibration verification standard
OI-1	Internal standard was outside of method control limits.

ACRONYMS AND ABBREVIATIONS

CAS	Chemical Abstracts Service Note: Analytes with no known CAS identifiers have been assigned codes beginning with "E", the EPA ID as assigned by the EPA Substance Registry System (www.epa.gov/srs), or beginning with "R4-", a unique identifier assigned by the EPA Region 4 laboratory.
MDL	Method Detection Limit - The minimum concentration of a substance (an analyte) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero.
MRL	Minimum Reporting Limit - Analyte concentration that corresponds to the lowest demonstrated level of acceptable quantitation. The MRL is sample-specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments.
TIC	Tentatively Identified Compound - An analyte identified based on a match with the instrument software's mass spectral library. A calibration standard has not been analyzed to confirm the compound's identification or the estimated concentration reported.



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Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: CV0726A-CS-0-4

Lab ID: C154201-01

MD No: 9GT2 ALS

Station ID: CV0726A

Matrix: Surface Soil

D No: 9GT2 ALS

Date Collected: 9/29/15 13:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	3.3		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	29	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	300		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	340	J, CLP25	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	750		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	73	J, CLP01, QC-1	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	250		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	400		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	44	J, CLP01, QC-1	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	770		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	160	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	160	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	590		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: CV0726B-CS-0-4

Lab ID: C154201-02

MD No: 9GT3 ALS

Station ID: CV0726B

Matrix: Surface Soil

D No: 9GT3 ALS

Date Collected: 9/29/15 13:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	7.6		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	19	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	19	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	28	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	27	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	200		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	230	J, CLP25	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	460		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	31	J, CLP01, QC-1	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	180		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	300		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	26	J, CLP01, QC-1	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	670		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	20	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	95	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	26	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	440		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	450		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0039A-CS-0-4

Lab ID: C154201-03

MD No: 9GT4 ALS

Station ID: HP0039A

Matrix: Surface Soil

D No: 9GT4 ALS

Date Collected: 9/29/15 9:15

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	20	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	21	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	19	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	43	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	80	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	460		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	580	J, CLP25	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	1100		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	130	J, CLP01, QC-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	330		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	510		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	64	J, CLP01, QC-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	920		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	20	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	240		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	48	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	350		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	720		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0039B-CS-0-4

Lab ID: C154201-04

MD No: 9GT5 ALS

Station ID: HP0039B

Matrix: Surface Soil

D No: 9GT5 ALS

Date Collected: 9/29/15 9:25

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	9.9		%		10/02/15	10/08/15	CLP BNA
90-12-0	1-Methylnaphthalene	21	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	26	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
83-32-9	Acenaphthene	190	U	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	84	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
120-12-7	Anthracene	90	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	400		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	440	J, CLP25	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	1100		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	84	J, CLP01, QC-1	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	270		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
218-01-9	Chrysene	490		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	56	J, CLP01, QC-1	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
206-44-0	Fluoranthene	620		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
86-73-7	Fluorene	190	U	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	180	J, CLP01, QC-1	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
91-20-3	Naphthalene	31	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
85-01-8	Phenanthrene	190		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
129-00-0	Pyrene	590		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B



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 Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0039B-CSD-0-4

Lab ID: C154201-05

MD No: 9GT6 ALS

Station ID: HP0039B

Matrix: Surface Soil

D No: 9GT6 ALS

Date Collected: 9/29/15 9:30

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	9.5		%		10/02/15	10/08/15	CLP BNA
90-12-0	1-Methylnaphthalene	21	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	27	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
83-32-9	Acenaphthene	190	U	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	90	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
120-12-7	Anthracene	96	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	380		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	420	J, CLP25	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	1000		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	84	J, QC-1, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	260		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
218-01-9	Chrysene	460		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	50	J, QC-1, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
206-44-0	Fluoranthene	670		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
86-73-7	Fluorene	19	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	170	J, CLP01, QC-1	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
91-20-3	Naphthalene	33	J, CLP01	ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
85-01-8	Phenanthrene	280		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B
129-00-0	Pyrene	640		ug/kg dry	190	10/02/15	10/08/15	CLP SOM02.2 B



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 Region 4 Science and Ecosystem Support Division
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 D.A.R.T. Id: 15-0408
 Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0146A-CS-0-4

Lab ID: C154201-06

MD No: 9GT7 ALS

Station ID: HP0146A

Matrix: Surface Soil

D No: 9GT7 ALS

Date Collected: 9/29/15 15:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	7.7		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	37	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	45	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	170	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	210	J, CLP25	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	470		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	29	J, CLP01, QC-1	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	150	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	200		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	26	J, QC-1, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	260		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	85	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	180	U	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	120	J, CLP01	ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	260		ug/kg dry	180	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0146B-CS-0-4

Lab ID: C154201-07

MD No: 9GT8 ALS

Station ID: HP0146B

Matrix: Surface Soil

D No: 9GT8 ALS

Date Collected: 9/29/15 15:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	13		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	98	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	95	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	320		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	430	J, QI-1, CLP25	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	1100	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	82	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	310	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	510		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	49	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	440		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	190	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	20	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	93	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	560		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0150A-CS-0-4

Lab ID: C154201-08

MD No: 9GT9 ALS

Station ID: HP0150A

Matrix: Surface Soil

D No: 9GT9 ALS

Date Collected: 9/29/15 13:55

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	18		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	210	U	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	210	U	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	210	U	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	32	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	41	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	110	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	140	J, CLP01, QI-1, CLP25	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	330	J, QI-1	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	210	U, J, QC-1, QI-1	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	100	J, CLP01, QI-1	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	170	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	210	U, J, QI-1, QC-1	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	160	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	210	U	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	49	J, CLP01, QI-1	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	210	U	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	59	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	190	J, CLP01	ug/kg dry	210	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0190A-CS-0-4

Lab ID: C154201-09

MD No: 9GW0 ALS

Station ID: HP0190A

Matrix: Surface Soil

D No: 9GW0 ALS

Date Collected: 9/29/15 10:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	15		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	150	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	210	J, CLP25, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	440	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	43	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	150	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	190	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	27	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	200		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	87	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	78	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	220		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0278A-CS-0-4

Lab ID: C154201-10

MD No: 9GW1 ALS

Station ID: HP0278A

Matrix: Surface Soil

D No: 9GW1 ALS

Date Collected: 9/30/15 9:35

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	22	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	29	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	120	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	140	J, CLP01, QI-1, CLP25	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	300	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	23	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	93	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	140	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	22	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	210		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	54	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	110	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	250		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0278A-CSD-0-4

Lab ID: C154201-11

MD No: 9GW2 ALS

Station ID: HP0278A

Matrix: Surface Soil

D No: 9GW2 ALS

Date Collected: 9/30/15 9:40

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	16		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	21	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	20	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	86	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	110	J, CLP01, QI-1, CLP25	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	230	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	200	U, J, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	76	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	100	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	200	U, J, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	130	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	43	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	58	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	170	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B



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Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0278B-CS-0-4

Lab ID: C154201-12

MD No: 9GW3 ALS

Station ID: HP0278B

Matrix: Surface Soil

D No: 9GW3 ALS

Date Collected: 9/30/15 9:45

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	14		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	21	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	22	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	47	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	87	J, CLP01	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	440		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	410	J, QI-1, CLP25	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	950	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	65	J, CLP01, QI-1, QC-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	240	J, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	440		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	41	J, CLP01, QC-1, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	860		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	150	J, CLP01, QI-1	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	200	U	ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	350		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	950		ug/kg dry	200	10/02/15	10/07/15	CLP SOM02.2 B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region 4 Science and Ecosystem Support Division
 980 College Station Road, Athens, Georgia 30605-2700
 D.A.R.T. Id: 15-0408
 Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0278C-CS-0-4

Lab ID: C154201-13

MD No: 9GW4 ALS

Station ID: HP0278C

Matrix: Surface Soil

D No: 9GW4 ALS

Date Collected: 9/30/15 9:50

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	12		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	21	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	20	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	22	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	330		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	330		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	1100		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	1300	J, QI-1, CLP25	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	2800	J, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	320	J, QC-1, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	960	J, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	1200		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	160	J, CLP01, QC-1, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	1500		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	43	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	520	J, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	21	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	530		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	2500		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B



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 D.A.R.T. Id: 15-0408
 Project: 15-0408, 35th Avenue Site - Reported by Nancy Seabolt

Semi Volatile Organics

Project: 15-0408, 35th Avenue Site

Contract Lab Case: 45583

Sample ID: HP0278D-CS-0-4

Lab ID: C154201-14

MD No: 9GW5 ALS

Station ID: HP0278D

Matrix: Surface Soil

D No: 9GW5 ALS

Date Collected: 9/30/15 10:00

CAS Number	Analyte	Results	Qualifiers	Units	MRL	Prepared	Analyzed	Method
E1644012	% Moisture	11		%		10/02/15	10/07/15	CLP BNA
90-12-0	1-Methylnaphthalene	190	U	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
91-57-6	2-Methylnaphthalene	190	U	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
83-32-9	Acenaphthene	190	U	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
208-96-8	Acenaphthylene	36	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
120-12-7	Anthracene	42	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
56-55-3	Benzo(a)anthracene	150	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
50-32-8	Benzo(a)pyrene	170	J, CLP01, QI-1, CLP25	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
205-99-2	Benzo(b)fluoranthene	380	J, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
191-24-2	Benzo(g,h,i)perylene	28	J, CLP01, QC-1, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
207-08-9	Benzo(k)fluoranthene	130	J, CLP01, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
218-01-9	Chrysene	170	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
53-70-3	Dibenzo(a,h)anthracene	24	J, CLP01, QC-1, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
206-44-0	Fluoranthene	220		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
86-73-7	Fluorene	190	U	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
193-39-5	Indeno (1,2,3-cd) pyrene	79	J, CLP01, QI-1	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
91-20-3	Naphthalene	190	U	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
85-01-8	Phenanthrene	89	J, CLP01	ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B
129-00-0	Pyrene	360		ug/kg dry	190	10/02/15	10/07/15	CLP SOM02.2 B